

BAK1 / BAK Antibody
Rabbit Polyclonal Antibody
Catalog # ALS13130**Specification**

BAK1 / BAK Antibody - Product Information

Application	WB, IHC
Primary Accession	Q16611
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23kDa KDa

BAK1 / BAK Antibody - Additional Information**Gene ID** 578**Other Names**

Bcl-2 homologous antagonist/killer, Apoptosis regulator BAK, Bcl-2-like protein 7, Bcl2-L-7, BAK1, BAK, BCL2L7, CDN1

Target/Specificity

Human BAK1.

Reconstitution & Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Precautions

BAK1 / BAK Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

BAK1 / BAK Antibody - Protein Information**Name** BAK1**Synonyms** BAK, BCL2L7, CDN1**Function**

Plays a role in the mitochondrial apoptotic process. Upon arrival of cell death signals, promotes mitochondrial outer membrane (MOM) permeabilization by oligomerizing to form pores within the MOM. This releases apoptogenic factors into the cytosol, including cytochrome c, promoting the activation of caspase 9 which in turn processes and activates the effector caspases.

Cellular Location

Mitochondrion outer membrane; Single-pass membrane protein

Tissue Location

Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle

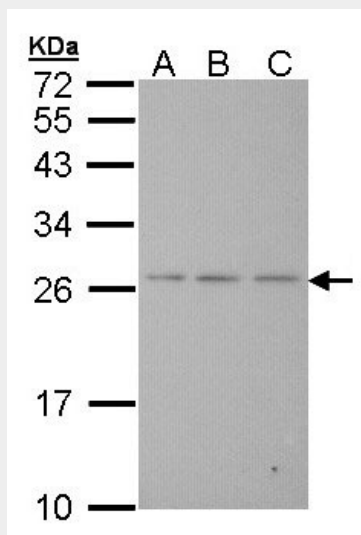
Volume
50 μ l

BAK1 / BAK Antibody - Protocols

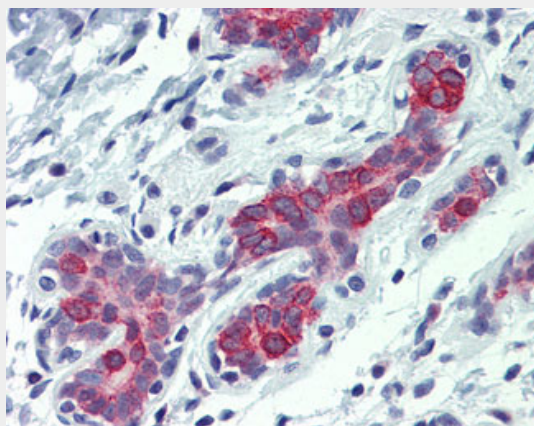
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

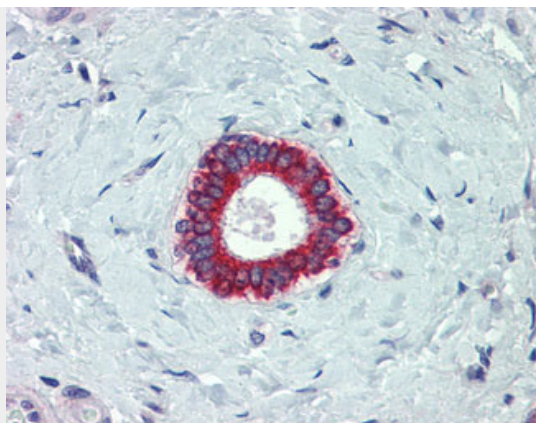
BAK1 / BAK Antibody - Images



Sample (30 ug of whole cell lysate).



Anti-BAK1 / BAK antibody IHC of human breast.



Anti-BAK1 / BAK antibody IHC of human liver, bile duct.

BAK1 / BAK Antibody - Background

In the presence of an appropriate stimulus, accelerates programmed cell death by binding to, and antagonizing the anti- apoptotic action of BCL2 or its adenovirus homolog E1B 19k protein. Low micromolar levels of zinc ions inhibit the promotion of apoptosis.

BAK1 / BAK Antibody - References

Farrow S.N.,et al.Nature 374:731-733(1995).
Chittenden T.,et al.Nature 374:733-736(1995).
Kiefer M.C.,et al.Nature 374:736-739(1995).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Mungall A.J.,et al.Nature 425:805-811(2003).